

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/553,694
Source: IFWJ
Date Processed by STIC: 8/12/06

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IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,674

DATE: 08/17/2006

TIME: 10:39:26

Input Set : A:\15700002.APP
 Output Set: N:\CRF4\08172006\J553674.raw

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3 <110> APPLICANT: CHUA, KAW
4     SEOW, SEE VOON
5     KOLATKAR, PRASANNA
7 <120> TITLE OF INVENTION: MOLECULE
9 <130> FILE REFERENCE: 15700.0002
11 <140> CURRENT APPLICATION NUMBER: 10/553,674
12 <141> CURRENT FILING DATE: 2005-10-17
14 <150> PRIOR APPLICATION NUMBER: PCT/SG04/00098
15 <151> PRIOR FILING DATE: 2004-04-16
17 <150> PRIOR APPLICATION NUMBER: GB 0308988.5
18 <151> PRIOR FILING DATE: 2003-04-17
20 <160> NUMBER OF SEQ ID NOS: 488
22 <170> SOFTWARE: PatentIn version 3.3
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30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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34 <221> NAME/KEY: modified_base
35 <222> LOCATION: (1)..(13)
36 <223> OTHER INFORMATION: a, c, g, t, unknown or other
38 <400> SEQUENCE: 1
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42 <210> SEQ ID NO: 2
43 <211> LENGTH: 9
44 <212> TYPE: PRT
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48 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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51 <220> FEATURE:
52 <221> NAME/KEY: MOD_RES
53 <222> LOCATION: (1)..(9)
54 <223> OTHER INFORMATION: Variable amino acid
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58 1           5
61 <210> SEQ ID NO: 3
62 <211> LENGTH: 32
63 <212> TYPE: DNA

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66 <220> FEATURE:
67 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
68     primer
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71 ttgttggatc ccatggagat acacctacat tg                                32
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75 <211> LENGTH: 33
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
81     primer
83 <400> SEQUENCE: 4
84 ttactgaatt cttaggttt ctgagaacag atg                                33
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 348
89 <212> TYPE: DNA
90 <213> ORGANISM: Flammulina velutipes
92 <400> SEQUENCE: 5
93 atgtccgcca cgtcgctcac ctccagctt gcctacttgg tgaagaagat cgacttcgac      60
95 tacaccccca actggggccg tggtagccccca agcagctaca tcgacaacct tacccccc      120
97 aagggttctca ccgacaaaaaa atactcgtaa cgcgtgtgg tcaatggctc tgaccttggc      180
99 gtcgagtcca acttcgcagt gacaccgtcc ggtggcaga ccatcaactt cctccagtag      240
101 aacaagggggt atgggtgcgc ggacacaaa acgattcaag tttcgttgt cattccagat      300
103 accggcaact cggaggagta catcatcgct gagtggaaaga agacttga                  348
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 115
108 <212> TYPE: PRT
109 <213> ORGANISM: Flammulina velutipes
111 <400> SEQUENCE: 6
112 Met Ser Ala Thr Ser Leu Thr Phe Gln Leu Ala Tyr Leu Val Lys Lys
113 1           5           10          15
116 Ile Asp Phe Asp Tyr Thr Pro Asn Trp Gly Arg Gly Thr Pro Ser Ser
117       20          25          30
120 Tyr Ile Asp Asn Leu Thr Phe Pro Lys Val Leu Thr Asp Lys Lys Tyr
121       35          40          45
124 Ser Tyr Arg Val Val Val Asn Gly Ser Asp Leu Gly Val Glu Ser Asn
125       50          55          60
128 Phe Ala Val Thr Pro Ser Gly Gly Gln Thr Ile Asn Phe Leu Gln Tyr
129 65           70          75          80
132 Asn Lys Gly Tyr Gly Val Ala Asp Thr Lys Thr Ile Gln Val Phe Val
133       85          90          95
136 Val Ile Pro Asp Thr Gly Asn Ser Glu Glu Tyr Ile Ile Ala Glu Trp
137       100         105         110
140 Lys Lys Thr
141       115
144 <210> SEQ ID NO: 7
145 <211> LENGTH: 1038

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TIME: 10:39:26

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Output Set: N:\CRF4\08172006\J553674.raw

146 <212> TYPE: DNA
 147 <213> ORGANISM: Flammulina velutipes
 149 <400> SEQUENCE: 7
 150 atgtccctta tactaggta ttggaaaatt aaggccttg tgcaaccac tcgacttctt 60
 152 ttggaatatc ttgaagaaaa atatgaagag cattgtatg agcgcatga aggtataaa 120
 154 tggcaaaca aaaagttga attgggttg gagttccca atcttcctta ttatattgat 180
 156 ggtatgtta aattaacaca gtctatggcc atcatacggt atatacgta caagcacaaac 240
 158 atgtgggtg gtttccaaa agacgtgca gagattcaa tgcttgaagg agcggtttg 300
 160 gatatttagat acggtgttgc gagaattgca tatagtaaag actttgaaac tctcaaagt 360
 162 gatttctta gcaagctacc taaaatgtcg aagatcggtt atgtcataaa 420
 164 acatattta atggatca taaaatccc cctgacttca tggttatga cgctttgat 480
 166 gttgtttat acatggaccc aatgtgcctg gatgcgttcc caaaattagt ttgtttaaa 540
 168 aaacgtattt aagctatccc acaaattgt aagtacttga aatccagcaa gtatatacg 600
 170 tggccttgc agggctggca agccacgtt ggtgtggcg accatccccc aaaaatcgat 660
 172 ctggaaagttc tggtccaggg gcccctggg tacccctggca cgtcgctcac cttccagctt 720
 174 gcctacttgg tgaagaagat cgacttcgac tacacccccc actggggccg tggtaccccc 780
 176 agcagctaca tcgacaaccc tacccccc aaggttctca ccgacaaaaaa atactcgat 840
 178 cgctcgtgg tcaatggctc tgacccccc gtcgagtc aacttcgact gacaccgtcc 900
 180 ggtggcaga ccataaactt cttccagtt aacaagggt atggtgcgc ggacacc 960
 182 acgattcaag tttcgttgc cattccagat accggcaact cggaggagta catcatcgct 1020
 184 gagtggaga agacttga 1038
 187 <210> SEQ ID NO: 8
 188 <211> LENGTH: 345
 189 <212> TYPE: PRT
 190 <213> ORGANISM: Flammulina velutipes
 192 <400> SEQUENCE: 8
 193 Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro
 194 1 5 10 15
 197 Thr Arg Leu Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu
 198 20 25 30
 201 Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
 202 35 40 45
 205 Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys
 206 50 55 60
 209 Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
 210 65 70 75 80
 213 Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu
 214 85 90 95
 217 Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
 218 100 105 110
 221 Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
 222 115 120 125
 225 Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
 226 130 135 140
 229 Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
 230 145 150 155 160
 233 Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
 234 165 170 175
 237 Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr

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238	180	185	190
241	Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala		
242	195	200	205
245	Thr Phe Gly Gly Asp His Pro Pro Lys Ser Asp Leu Glu Val Leu		
246	210	215	220
249	Phe Gln Gly Pro Leu Gly Ser Ser Ala Thr Ser Leu Thr Phe Gln Leu		
250	225	230	235
253	Ala Tyr Leu Val Lys Lys Ile Asp Phe Asp Tyr Thr Pro Asn Trp Gly		
254	245	250	255
257	Arg Gly Thr Pro Ser Ser Tyr Ile Asp Asn Leu Thr Phe Pro Lys Val		
258	260	265	270
261	Leu Thr Asp Lys Lys Tyr Ser Tyr Arg Val Val Val Asn Gly Ser Asp		
262	275	280	285
265	Leu Gly Val Glu Ser Asn Phe Ala Val Thr Pro Ser Gly Gly Gln Thr		
266	290	295	300
269	Ile Asn Phe Leu Gln Tyr Asn Lys Gly Tyr Gly Val Ala Asp Thr Lys		
270	305	310	315
273	Thr Ile Gln Val Phe Val Val Ile Pro Asp Thr Gly Asn Ser Glu Glu		
274	325	330	335
277	Tyr Ile Ile Ala Glu Trp Lys Lys Thr		
278	340	345	
281	<210> SEQ ID NO: 9		
282	<211> LENGTH: 309		
283	<212> TYPE: DNA		
284	<213> ORGANISM: Artificial Sequence		
286	<220> FEATURE:		
287	<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic		
288	nucleotide sequence		
290	<400> SEQUENCE: 9		
291	atgtccgcca cgtcgttcga ctacaccccc aactggggcc gtggtacccc aagcagctac	60	
293	atcgacaacc ttaccttccc caaggttctc accgacaaaa aataactcgta ccgcgtcg	120	
295	gtcaatggct ctgaccttgg cgtcgagtcc aacttcgcag tgacaccgtc cggtgggcag	180	
297	accatcaact tcctccagta caacaagggg tatggtgtcg cggacaccaa aacgattcaa	240	
299	gttttcgttg tcattccaga taccggcaac tcggaggagt acatcatcg tcagtgaaag	300	
301	aagacttga	309	
304	<210> SEQ ID NO: 10		
305	<211> LENGTH: 102		
306	<212> TYPE: PRT		
307	<213> ORGANISM: Artificial Sequence		
309	<220> FEATURE:		
310	<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic		
311	protein sequence		
313	<400> SEQUENCE: 10		
314	Met Ser Ala Thr Ser Phe Asp Tyr Thr Pro Asn Trp Gly Arg Gly Thr		
315	1 5 10 15		
318	Pro Ser Ser Tyr Ile Asp Asn Leu Thr Phe Pro Lys Val Leu Thr Asp		
319	20 25 30		
322	Lys Lys Tyr Ser Tyr Arg Val Val Val Asn Gly Ser Asp Leu Gly Val		
323	35 40 45		

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Input Set : A:\15700002.APP
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326 Glu Ser Asn Phe Ala Val Thr Pro Ser Gly Gly Gln Thr Ile Asn Phe
327 50 55 60
330 Leu Gln Tyr Asn Lys Gly Tyr Gly Val Ala Asp Thr Lys Thr Ile Gln
331 65 70 75 80
334 Val Phe Val Val Ile Pro Asp Thr Gly Asn Ser Glu Glu Tyr Ile Ile
335 85 90 95
338 Ala, Glu, Trp, Lys, Lys Thr
339 100
342 <210> SEQ ID NO: 11
343 <211> LENGTH: 303
344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
349 nucleotide sequence
351 <400> SEQUENCE: 11
352 atgtccgcca cgtcgctcac cttccagctt gcctacttgg tgaagaagat cgacatcgac 60
354 aaccttacct tccccaaagg ttcaccgac aaaaaatact cgtaccgcgt cgtggtaat 120
356 ggctctgaccc ttggcgtcga gtccaaactc gcagtgacac cgtccggtag gcagacatc 180
358 aacttcctcc agtacaacaa ggggtatggt gtcgcggaca ccaaaaacgat tcaagtttc 240
360 gttgtcattc cagataaccgg caactcggag gagtacatca tcgctgagtg gaagaagact 300
362 tga 303
365 <210> SEQ ID NO: 12
366 <211> LENGTH: 100
367 <212> TYPE: PRT
368 <213> ORGANISM: Artificial Sequence
370 <220> FEATURE:
371 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
372 protein sequence
374 <400> SEQUENCE: 12
375 Met Ser Ala Thr Ser Leu Thr Phe Gln Leu Ala Tyr Leu Val Lys Lys
376 1 5 10 15
379 Ile Asp Ile Asp Asn Leu Thr Phe Pro Lys Val Leu Thr Asp Lys Lys
380 20 25 30
383 Tyr Ser Tyr Arg Val Val Val Asn Gly Ser Asp Leu Gly Val Glu Ser
384 35 40 45
387 Asn Phe Ala Val Thr Pro Ser Gly Gly Gln Thr Ile Asn Phe Leu Gln
388 50 55 60
391 Tyr Asn Lys Gly Tyr Gly Val Ala Asp Thr Lys Thr Ile Gln Val Phe
392 65 70 75 80
395 Val Val Ile Pro Asp Thr Gly Asn Ser Glu Glu Tyr Ile Ile Ala Glu
396 85 90 95
399 Trp Lys Lys Thr
400 100
403 <210> SEQ ID NO: 13
404 <211> LENGTH: 309
405 <212> TYPE: DNA
406 <213> ORGANISM: Artificial Sequence
408 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/17/2006
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13

Seq#:2; Xaa Pos. 1,2,3,4,5,6,7,8,9

VERIFICATION SUMMARY

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Output Set: N:\CRF4\08172006\J553674.raw

L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0